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SUPPLEMENTARY RECORDS OF
BUTTERFLIES IN THE
SACRAMENTO VALLEY AND SUISUN MARSH,
LOWLAND CENTRAL CALIFORNIA

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SACRAMENTO VALLEY

THE FOLLOWING RECORDS ARE ADDITIONS to Shapiro, 1975a. New species are starred.

Chlosyne lacinia crocale Edwards. — This apparent introduction, which was fairly common in 1973 at one locality (Camp Pollock, Sacramento County), was not seen in 1974. The habitat was flooded during much of the winter of 1973-74; it lies in the American River By-Pass.

**Nymphalis milberti* Latreille. — A single worn female taken iv.6.74 in North Sacramento, elevation circa 15 feet, in a colony of the introduced European nettle *Urtica urens* L. Presumably immigrant from higher elevations (Shapiro, 1975b).

Polygonia satyrus Edwards. — A second Davis record, female, vi.14.74. Since there are no nettles anywhere near Davis, the occurrence of this species there must be based on rare strays unless it breeds on the introduced Urticaceous ground cover *Soleiroleia* as does *Vanessa atalanta* L., which however is common.

Limenitis bredowii californica Butler. — There is still no evidence of breeding on the Valley floor, but an unusual number of observations of adults were made in 1974. At Davis seen v.25, ix.1, x.27.

**Callophrys dumetorum* Boisduval. — The first Valley record, fresh male, Beach Lake, Sacramento County, iii.21.74. Presumably breeding, but host not determined.

Pieris sisymbrii Boisduval. — Second Valley record: female, Southport, Yolo Co., iv.14.74. Presumably a stray from the foothills.

**Euchloe hyantis* Edwards. — A single male taken among the very common *E. ausonides*, Beach Lake, Sacramento Co., iii.21.74. It is possible that this species occurs more widely in the Valley, being mistaken for the commoner species, but it could also be a stray; it is usually considered a foothill and montane species. It flies with *ausonides* at 1000 feet in both the Vaca Hills and Sierra foothills.

Colias (Zerene) eurydice Boisduval. — California Dog-Faces were unusually common in the foothills in 1974. Two males were taken at Beach Lake, Sacramento Co., iii.13 and iii.21. The usual host, *Amorpha*, has not been noted there.

Lerodea eufala Edwards. — One of the rare spring emergents was taken at the American River, Sacramento Co., iv.28.74. The main summer emergence was very late, first observed viii.19, not seen at Davis until viii.31.

The addition of *N. milberti*, *C. dumetorum*, and *E. hyantis* to the Valley list raises the total fauna to 65 species.

SUISUN MARSH

The following records are additions to Shapiro, 1975c.

Euphydryas chalcedona Doubleday. — Four seen on vi.7.74, including a female. Despite this, there is no reason to believe this species breeds in the Suisun Marsh.

Phyciodes campestris Behr. — Much commoner in 1974 than in 1973, but seen only from ix.5-x.19. Clearly associated with *Aster chilensis* ssp. *lentus*, as earlier reported, and successfully reared in the laboratory on *A. chilensis* ssp. *chilensis* Nees. The distinctive Suisun facies was consistently maintained in both wild and reared individuals.

Nymphalis californica Boisduval. — Frequent in 1974. Seen on ii.23, iii.9, and iv.2. On vi.7 about 1000 seemingly fresh individuals flew across the marsh headed ENE between 1200-1500 hours. Their flight was very steady and strongly directional. Migrations oriented toward the N were observed the same week in the North Coast Ranges and at Donner Pass.

Limenitis bredowii californica Butler. — A second stray, female, ix.28.74.

**Glaucopsyche lygdamus behrii* Edwards. — Apparently resident on landfill near the Marsh, associated with a fencerow population of *Lathyrus jepsoni jepsoni*, the endemic Suisun subspecies of this plant. Collected on iii.9 and iii.20.74.

Brephidium exilis Boisduval. — In 1974 was still emerging on xii.24.

Battus philenor hirsuta Skinner. — Two additional strays, viii.6 and ix.5.74.

**Erynnis propertius* Scudder and Burgess. — One male and one female both in good condition, taken on celery blossoms in the Marsh on iv.11.74. Presumably strays from oak woodland in the nearby hills.

**Poanes melane* Edwards. — Fresh male, in a shrub thicket, ix.5.74. The origin of this individual is unknown.

Ochlodes yuma Edwards. — John H. Lane took a fresh male at the Suisun City marina x.8.74, the latest this species has been recorded in the Marsh.

The additions of *G. lygdamus*, *E. propertius*, and *P. melane* raise the Suisun species total to 43.

LITERATURE CITED

- SHAPIRO, A. M. 1975a. The butterfly fauna of the Sacramento Valley, California. *J. Res. Lepid.*, 13:73-82, 115-122, 137-148.
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